

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002918**Date Inspected:** 24-Oct-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** TL3W, Sub-Assemblies (Tower), Office**Bid Item:** 77, 78, 79**Lot No:****Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

TL3W, (NOI Number T1322): The installed undercoat (Interzinc 22) on tower internal surfaces from the shaft end to 109M Double Diaphragm (DD) was tested for Dry Film Thickness (DFT) in accordance with SSPC- PA 2. ABF Quality Control (QC) rejected the installation due to low out of specified range readings (less than 90 µm). Additional observed defects included: holidays and dry spray on coated surfaces. The defective areas were marked for repair and will be reworked by ZPMC and tested prior to next scheduled check point.

TL3W, (NOI Number T1328): In paint work shop number 1, in accordance with SSPC- PA 2, ZPMC and ABF QA/QC conducted and recorded DFT readings on tower internal from end shaft 109M Double Diaphragm (DD) to 99M lower DD. ABF QC accepted DFT readings but noted localized areas of mud cracking and incomplete caulking installation. The defective areas were marked for repair and will be reworked by ZPMC and tested prior to next scheduled check point.

**Sub-Assemblies (Tower)**

Tower Strut Splices, (NOI # T1324): Approximately 120 Tower Struts Splices located at the west gate blasting workshop area were observed by ABF and ZPMC QC for cleaning and degreasing compliance in accordance with

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## SOURCE INSPECTION REPORT

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SSPC-SP1 in preparation for blasting and coating installation operations. ABF accepted side X1 but rejected sides X2 which did not meet cleanliness requirements and directed ZPMC to rework and resubmit for tested prior to the next scheduled check point.

Office

Attend to report writing and photo-documentation.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Cason,Kenneth	Quality Assurance Inspector
<b>Reviewed By:</b>	Miller,Mark	QA Reviewer

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